

FIG. 3

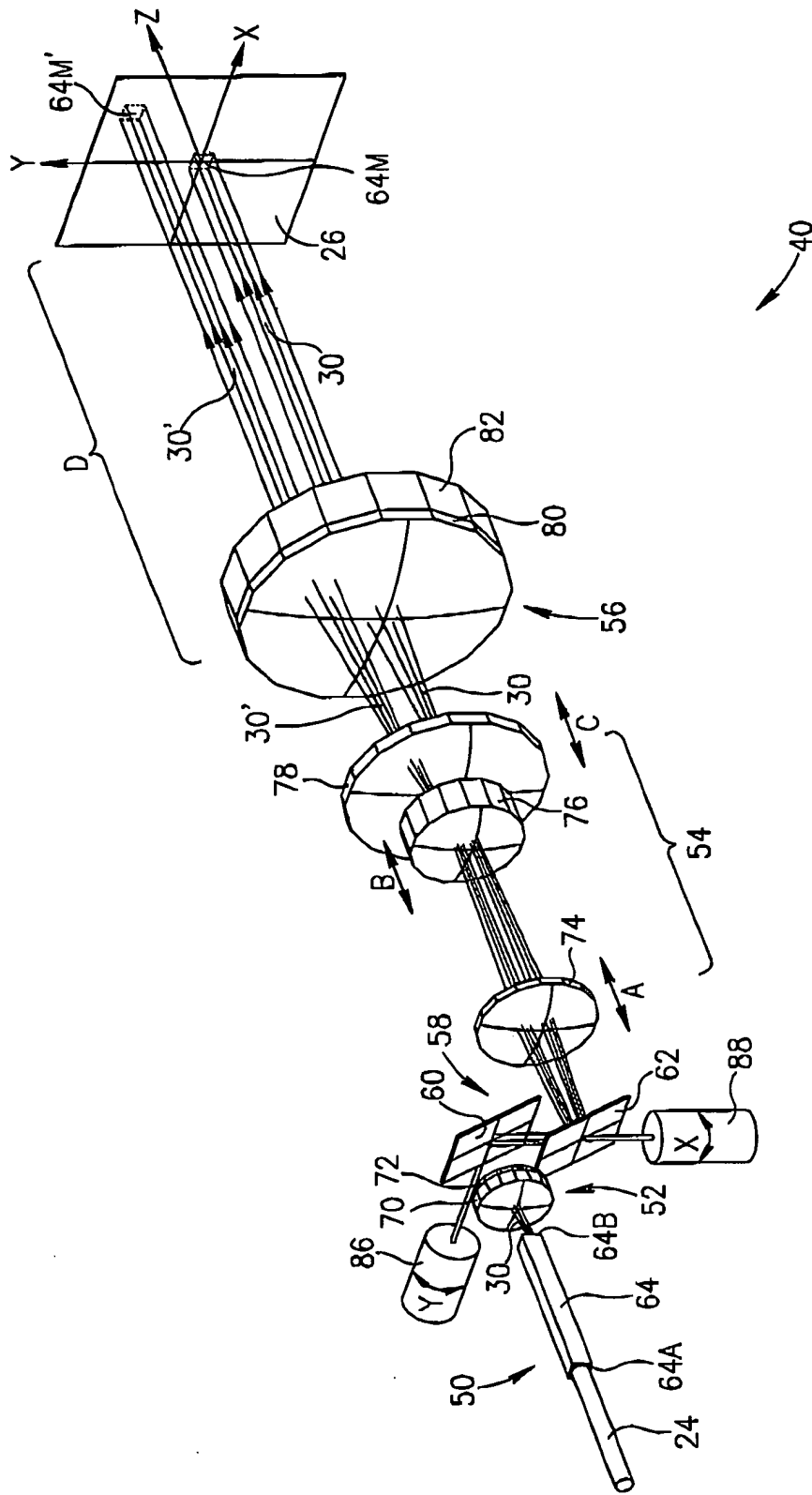


FIG. 3

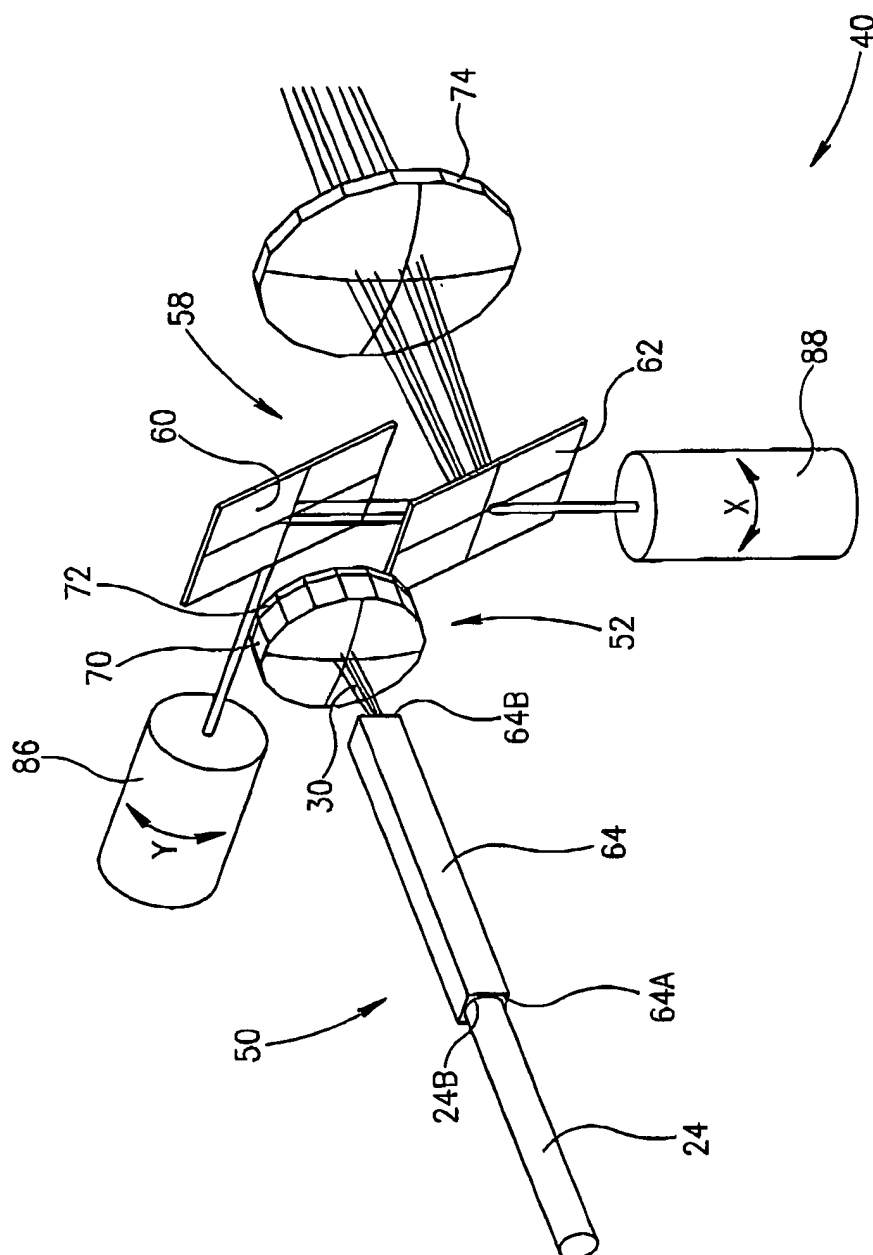


FIG. 4

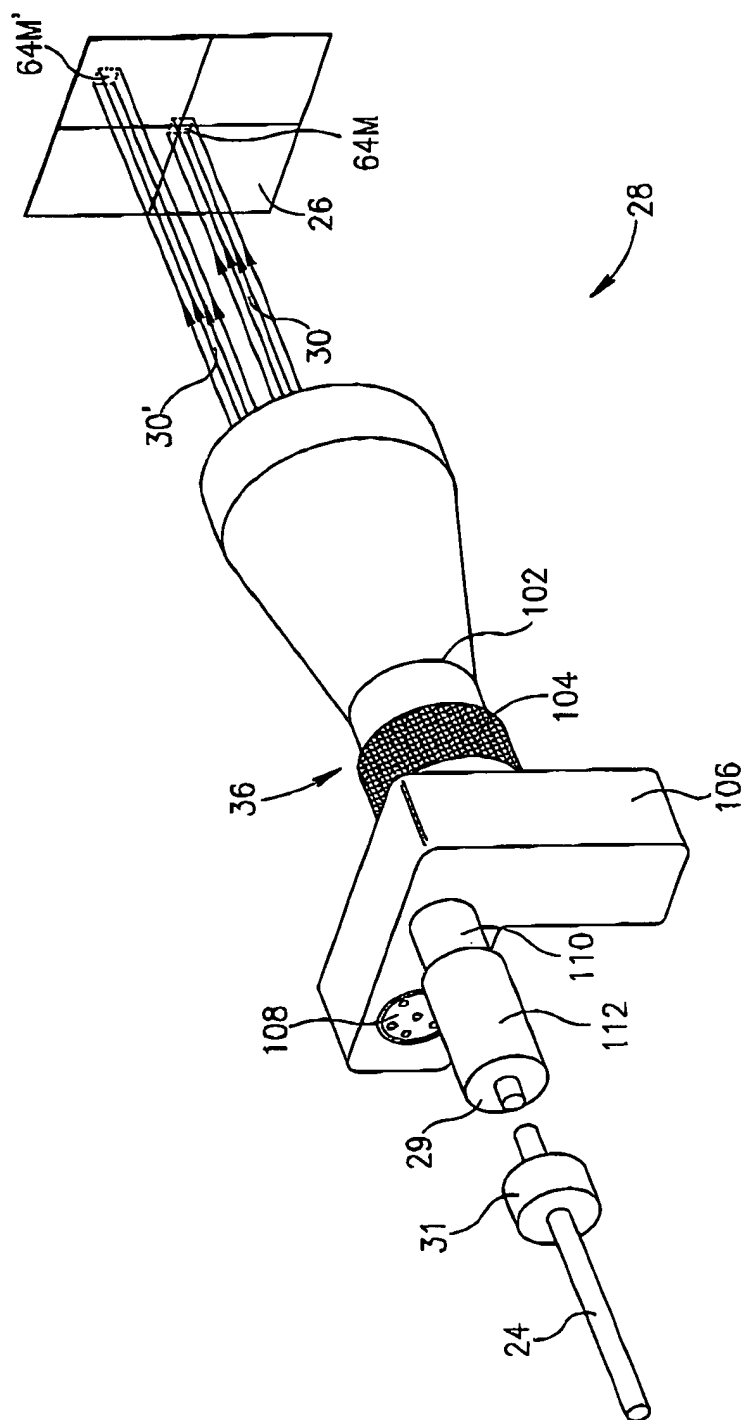


FIG.5

FIG. 5

GROUP	ELEMENT	SURFACE	RADIUS (mm)	THICKNESS (mm)	GLASS
FIBER 24	24B	S0		0.05	AIR
GUIDE 64	64A	S1		50.00	LF5
	64B	S2		5.30	AIR
GROUP 52	70	S3	41.01	1.03	SF10
		S4	4.35	3.06	BAFN10
	72	S5	-6.98	5.00	AIR
MIRROR	60	S6		6.73	REFLECT
MIRROR	62	S7		T1	REFLECT
GROUP 54	74	S8	30.03	4.20	SSKN8
		S9	-24.65	T2	AIR
	76	S10	-6.50	1.80	SFL6
		S11	15.50	T3	AIR
	78	S12	53.57	6.00	BAFN10
		S13	-19.84	T4	AIR
GROUP 56	80	S14	34.81	11.00	BAFN10
		S15	-22.12	2.20	SF10
	82	S16	-203.48	68.00	AIR
TREATMENT	26	S17			

FIG.6A

SPOT (64M) (mm)	T1 (mm)	T2 (mm)	T3 (mm)	T4 (mm)
6	5.27	30.33	2.73	23.81
4	12.61	25.48	4.00	20.05
2	37.58	17.77	5.79	1.00

FIG.6B

FIG. 6A

FIG. 7

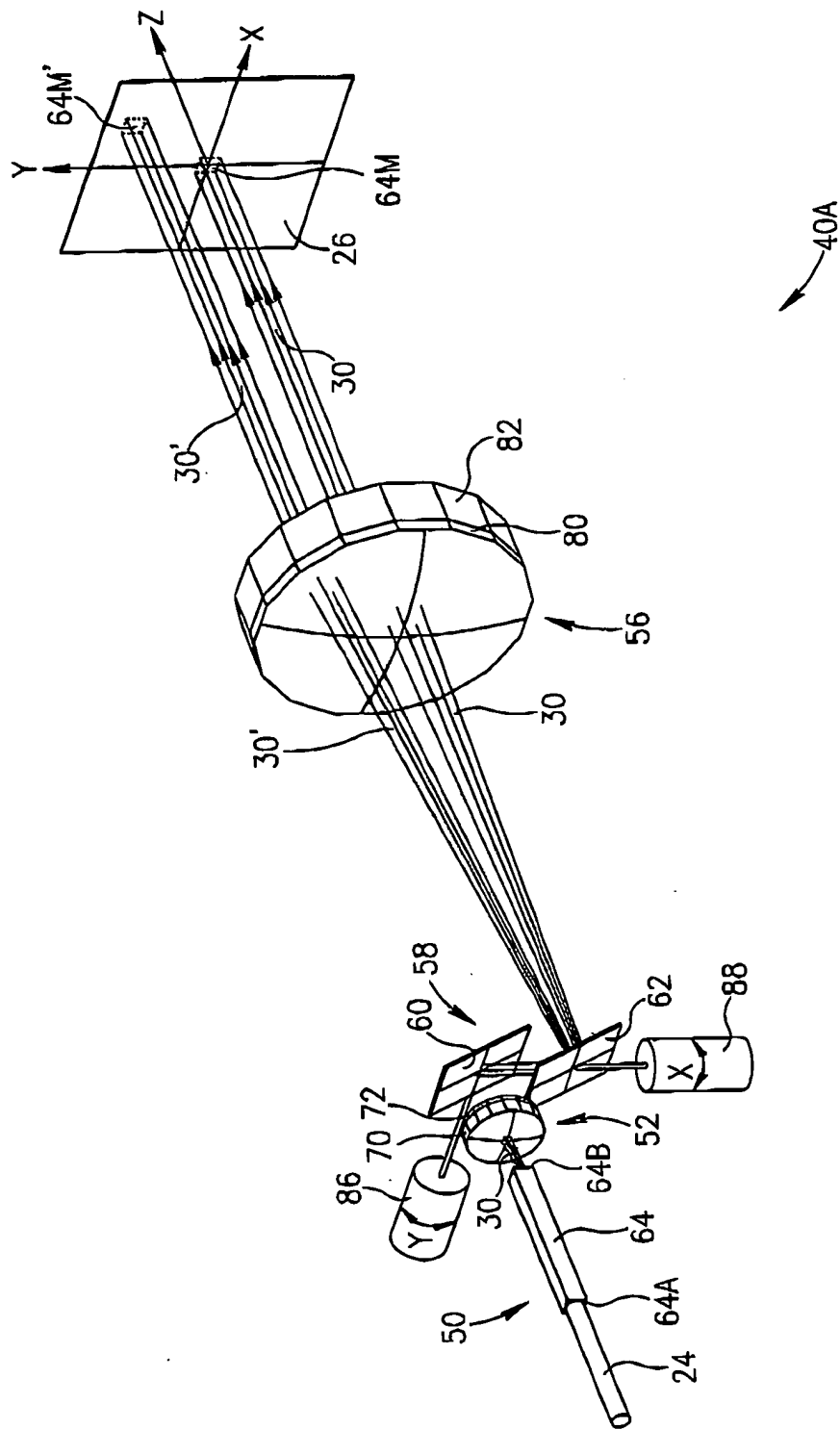


FIG. 7

FIG. 8

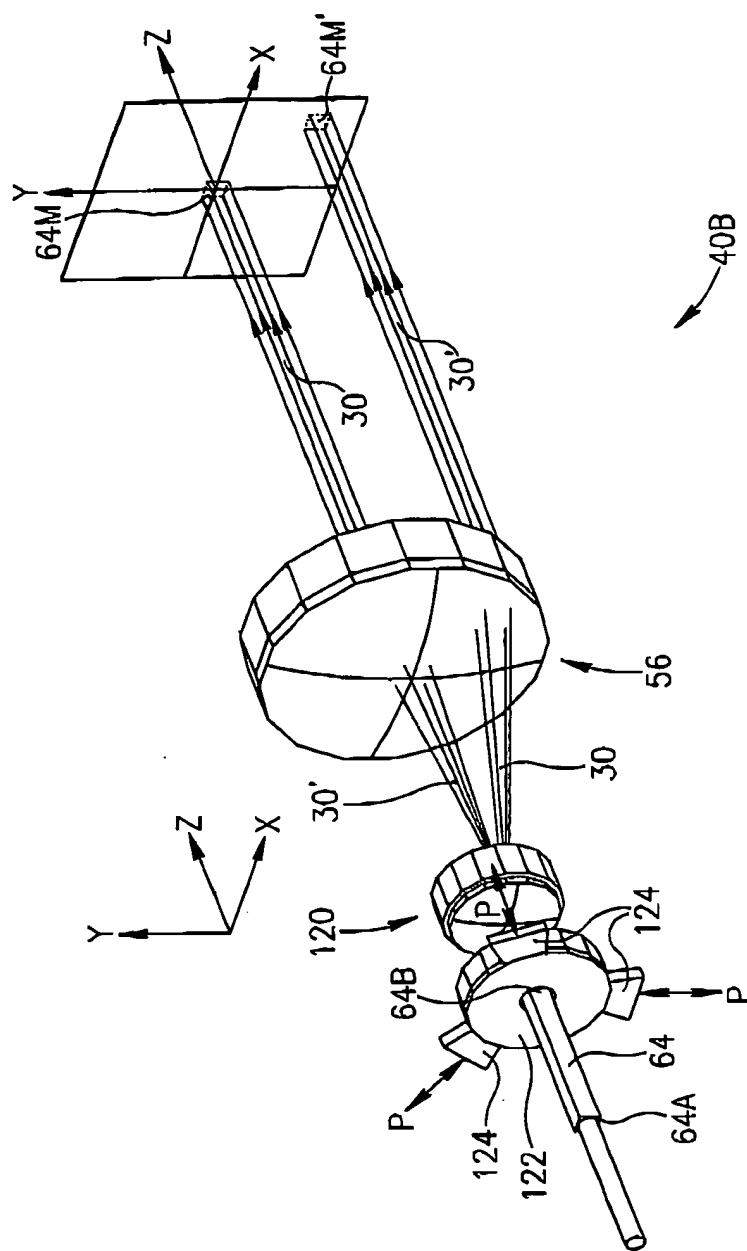


FIG. 8

GROUP	ELEMENT	SURFACE	RADIUS (mm)	THICKNESS (mm)	GLASS
FIBER 24	24B	S0		0.05	AIR
GUIDE 64	64A	S1		50.00	LF5
	64B	S2		7.20	AIR
GROUP 52	70	S3	41.01	1.03	SF10
		S4	4.35	3.06	BAFN10
	72	S5	-6.98	66.0	AIR
GROUP 56	80	S14	32.60	8.4	BAFN10
		S15	-31.81	2.99	SF10
	82	S16	-799.64	75.0	AIR
TREATMENT	26	S17			

FIG.9

FIG. 10

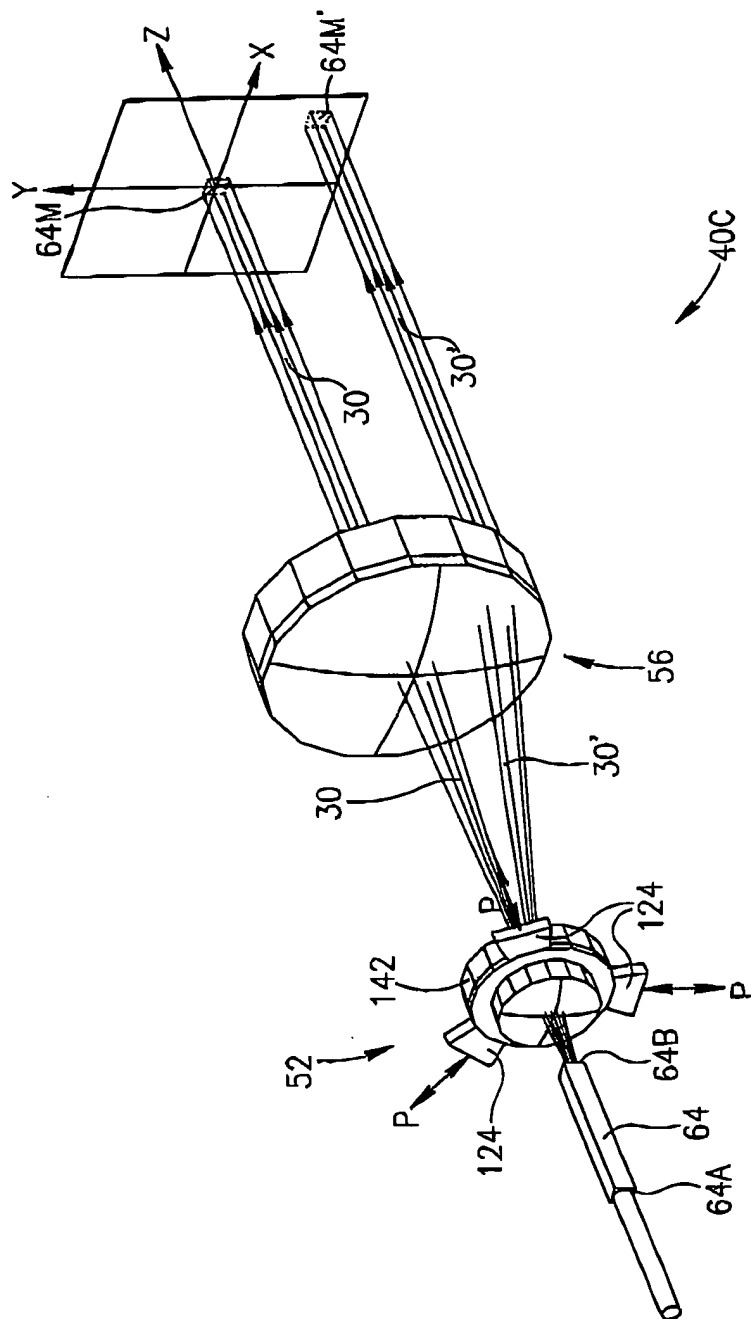


FIG.10

GROUP	ELEMENT	SURFACE	RADIUS (mm)	THICKNESS (mm)	GLASS
FIBER 24	24B	S0		0.05	AIR
GUIDE 64	64A	S1		50.00	LF5
	64B	S2		7.20	AIR
GROUP 52	70	S3	41.01	1.03	SF10
		S4	4.35	3.06	BAFN10
	72	S5	-6.98	61.35	AIR
GROUP 56	80	S14	32.60	8.4	BAFN10
		S15	-31.81	2.99	SF10
	82	S16	-799.64	75.0	AIR
TREATMENT	26	S17			

FIG.11

FIG. 12

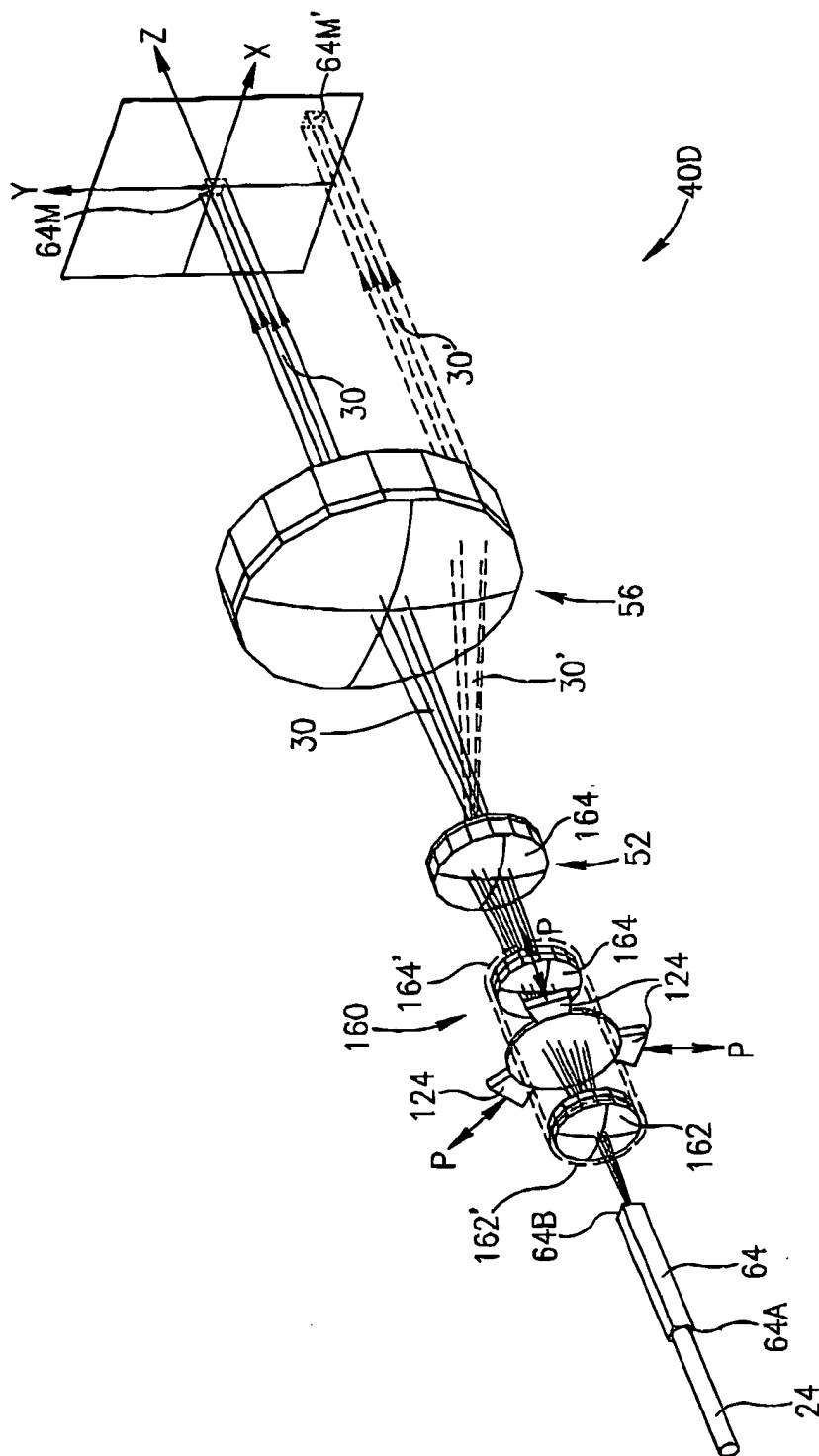


FIG.12

GROUP	ELEMENT	SURFACE	RADIUS (mm)	THICKNESS (mm)	GLASS
FIBER 24	24B	S0		0.05	AIR
GUIDE 64	64A	S1		50.00	LF5
	64B	S2		7.20	AIR
GROUP 160	162	S3	18.25	1.03	FD10
		S4	3.09	3.72	BAFN10
		S5	-5.56	6.96	AIR
	164	S6	5.56	3.72	BAFN10
		S7	-3.09	1.03	FD10
		S8	-5.56	35.60	AIR
GROUP 52	70	S9	41.01	1.03	SF10
		S10	4.35	3.06	BAFN10
	72	S11	-6.98	61.35	AIR
GROUP 56	80	S12	32.60	8.4	BAFN10
		S13	-31.81	2.99	SF10
	82	S14	-799.64	75.0	AIR
TREATMENT	26	S15			

FIG.13

FIG. 14

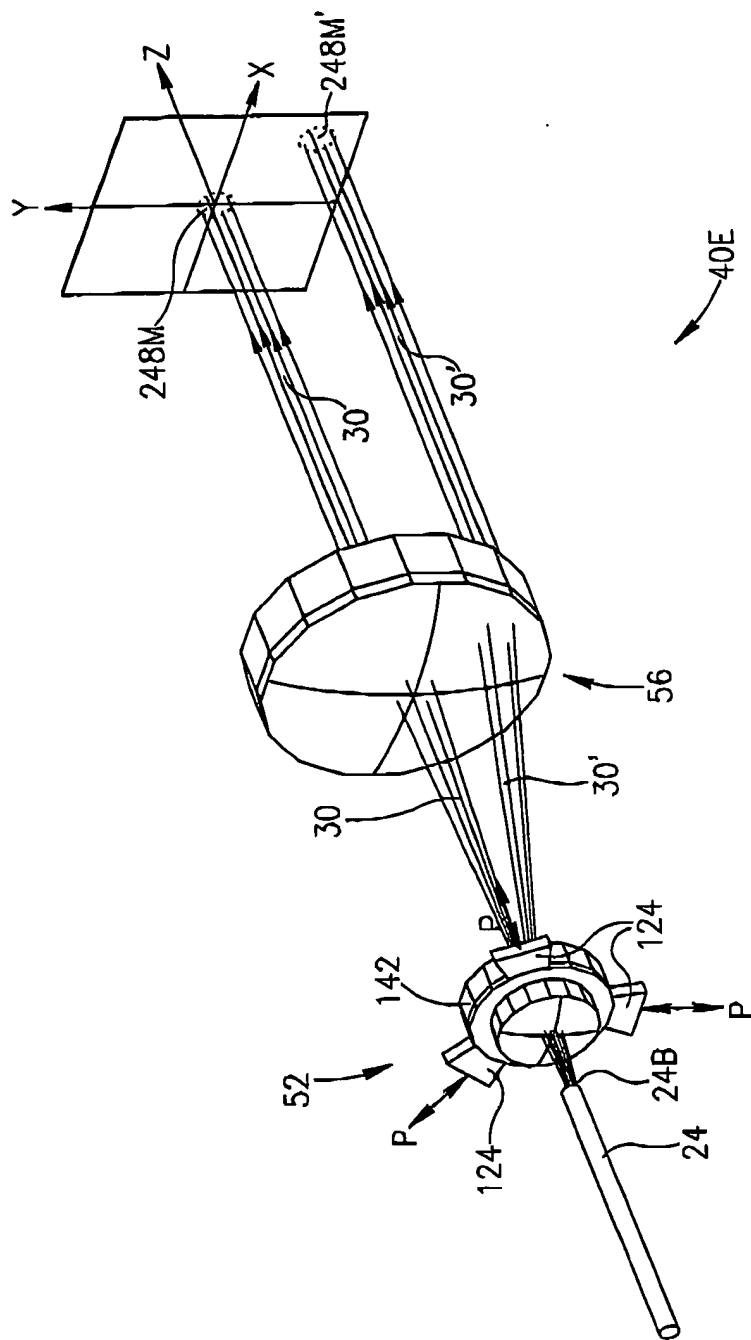


FIG.14

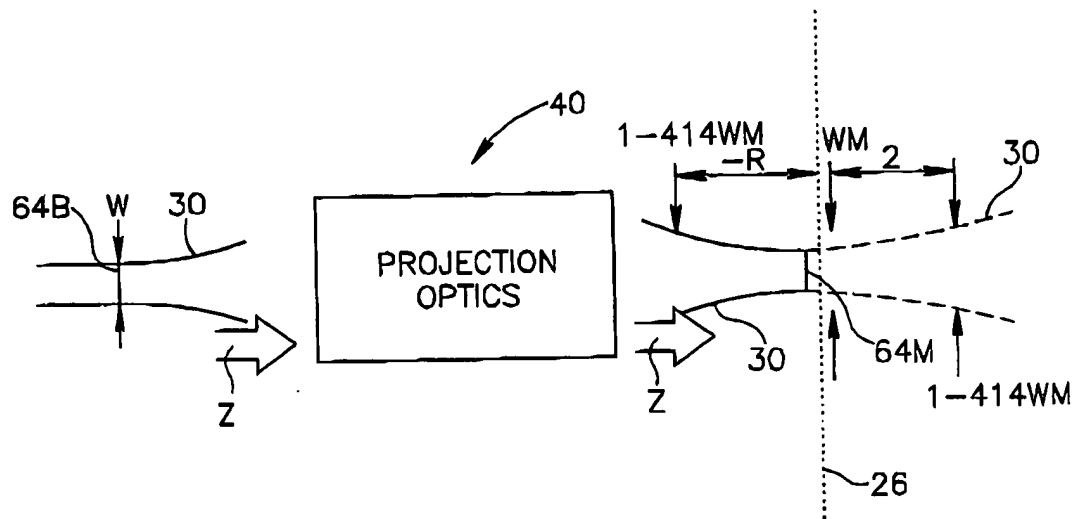


FIG.15